## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

□ BLACK BORDERS
□ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
□ FADED TEXT OR DRAWING
□ BLURRED OR ILLEGIBLE TEXT OR DRAWING
□ SKEWED/SLANTED IMAGES
□ COLOR OR BLACK AND WHITE PHOTOGRAPHS
□ GRAY SCALE DOCUMENTS
□ LINES OR MARKS ON ORIGINAL DOCUMENT
□ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

O OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

	Hits	Search Text	DBs	Time Stamp
1	6664	707/1-4,7,8,10.ccls.	USPAT	2003/10/07 15:17
2.	4435	707/100-102,104.1.ccls.	USPAT	2003/10/07 15:17
3	3234	707/200-206.ccls.	USPAT	2003/10/07 15:18
4	3660	711/1,100-104,111-113,115.ccls	USPAT	2003/10/10 14:11
5	3942	365/175.01,185.18,185.29,185.3 3,189.01,218.ccls.	USPAT	2003/10/10 14:11
6	1366	713/1,2.ccls.	USPAT	2003/10/10 14:11
7	3638	235/375,380,382.ccls.	USPAT	2003/10/10 14:11
8	1534	710/1,3,8,13.ccls.	USPAT	2003/10/10 14:11
9	10667	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2004/03/21 10:19
10	10326	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT .	2004/09/20 07:24
11	10667	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2004/09/20 07:24
12	10326	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2004/03/21 10:19
13	3966	(ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory)	USPAT	2003/10/03
14	1272	(file adj system) and (manag\$4 with access) and (stor\$4 with memory)		2003/10/03 10:34
15	48	(file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory))	USPAT	2003/10/03 08:31

	Hits	Search Text	DBs	Time Stamp
16	9	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.)) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory)))	USPAT	2004/09/20 07:26
17	1648	and parameter\$2	USPAT	2003/10/03 10:38
18	1272	(file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))		2003/10/03 10:35
19	48	(file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory)) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory))		2003/10/03 10:35
20	146	<pre>(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory)))</pre>	USPAT	2003/10/03 11:14
21	13	<pre>(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory))</pre>	,	2003/10/03 10:39
22	25120	(volatile adj2 memory) and (non\$2volatile adj2 memory)	USPAT	2003/10/03 11:13

	Hits	Search Text	DBs	Time Stamp
23	24	(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory))	USPAT	.2004/09/20 16:23
24	10667	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2003/10/06 14:10
25	10326	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2003/10/06 14:10
26	30	(smart adj card) and (manag\$4 with access) and (stor\$4 with memory) and ((volatile adj2 memory) and (non\$2volatile adj2 memory) ) and computer and (file adj system\$2)	USPAT	2003/10/06 15:45
27	94	(smart adj card) and (manag\$4 with access) and (stor\$4 with memory) and ((volatile adj2 memory) and (non\$2volatile adj2 memory))	USPAT	2004/03/16 07:35
28	6686	707/1-4,7,8,10.ccls.	USPAT	2003/10/07 07:38
29	4452	707/100-102,104.1.ccls.	USPAT	2003/10/07 07:38
30	3242	707/200-206.ccls.	USPAT	2003/10/07 07:38
31	10704	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2003/10/07 07:38
32	10338	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2003/10/07 07:39
33	7486	((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with memory) and ((volatile adj2 memory) and (non\$2volatile adj2 memory))	USPAT	2003/10/07 08:35

	Hits	Search Text	DBs	Time Stamp
34	953	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls. )) and (((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with memory) and ((volatile adj2 memory) and (non\$2volatile adj2 memory)))	USPAT	2003/10/07 08:36
35	231	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls. )) and (((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with volatile adj2 memory) and (non\$2volatile adj2 memory))	USPAT	2003/10/07 08:38
36	215	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls. )) and (((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with volatile adj memory) and (non\$2volatile adj2 memory))	USPAT	2004/09/28 12:53
37	6686	707/1-4,7,8,10.ccls.	USPAT	2003/10/07 15:17
38	4452	707/100-102,104.1.ccls.	USPAT	2003/10/07 15:18
39	3242	707/200-206.ccls.	USPAT	2003/10/07 15:18
40	10704	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2003/10/07 15:18
41	10338	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2003/10/07 15:18
42	10704	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2003/10/09 09:52

	Hits	Search Text	DBs	Time Stamp
43	10338	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2003/10/09 09:53
44	1537	710/1,3,8,13.ccls.	USPAT	2003/10/10 14:11
45	3666	711/1,100-104,111-113,115.ccls	USPAT	2003/10/10 14:11
46	1370	713/1,2.ccls.	USPAT	2003/10/10 14:11
47	3641	235/375,380,382.ccls.	USPAT	2003/10/10 14:11
48	3944	365/175.01,185.18,185.29,185.3 3,189.01,218.ccls.	USPAT	2003/10/1 <b>0</b> 14:12
49	13614	710/1,3,8,13.ccls. or 711/1,100-104,111-113,115.ccls . or 713/1,2.ccls. or 235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls.	USPAT	2003/10/10 14:12
50	11633	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT .	2004/03/16 07:26
51	10832	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2004/03/16 07:26
52	5	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.)) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory) and access\$4 with (control adj2 table\$2)))	USPAT	2004/03/16 07:50
53	90	(smart adj card) and (manag\$4 with access) and (stor\$4 with memory) and ((volatile adj2 memory) and (non\$2volatile adj2 memory) and authoriz\$4)	USPAT	2004/03/16 07:35

	Hits	Search Text	DBs	Time Stamp
54	15	(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory)) and authoriz\$4 and application\$2	USPAT	2004/03/16 07:51
55	5	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.)) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory) and access\$4 with (control adj2 table\$2)))		2004/03/16 07:51
56	22	(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory)) and authoriz\$4 and application\$2	USPAT; US-PGPUB	2004/03/16 07:52
57	21	(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system with manag\$5) and (manag\$4 with access) and ((file adj system) and ((file adj system) and ((manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory)) and authoriz\$4 and application\$2	USPAT; US-PGPUB	2004/09/21 08:54

	Hits	Search Text	DBs	Time Stamp
58	11633	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2004/03/20 16:39
59	10832	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT	2004/03/20 16:39
60	11633	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT	2004/03/21 10:19
61	10832	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT .	2004/03/21 10:19
62	20751	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT; US-PGPUB	2004/09/20 13:43
63	13625	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT; US-PGPUB	2004/09/20 13:44
64	30	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.)) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((ic or (integrated adj circuit)) and processor\$2 and (volatile adj2 memory) and (non\$2volatile adj2 memory)))	USPAT; US-PGPUB	2004/09/20 07:28
65	20751	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT; US-PGPUB	2004/09/21 08:22
66	13625	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT; US-PGPUB	2004/09/21 08:22

	Hits	Search Text		DBs	Time Stamp
67	17	<pre>(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory) and ((file adj system) and (manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory) and (specif\$4 with location\$2))</pre>	USPAT		2004/09/20 16:24
68	20779	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT;	US-PGPUB	2004/09/22 08:44
69	13656 <sup>°</sup>	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	1	US-PGPUB	2004/09/22 08:44
70	24	(application adj program adj interface\$2) and function\$2 and parameter\$2 and ((file adj system with manag\$5) and (manag\$4 with access) and ((file adj system) and ((file adj system) and ((file adj system) and ((manag\$4 with access) and (stor\$4 with memory))) and ((volatile adj2 memory) and (non\$2volatile adj2 memory)) and authoriz\$4 and application\$2 and (remov\$4 or delet\$4 with reference\$2)	USPAT;	US-PGPUB	2004/09/21 08:55
71	20779	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT;	US-PGPUB	2004/09/28 09:47
72	13656	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT;	US-PGPUB	2004/09/28 09:47
73	20850	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT;	US-PGPUB	2004/09/29 08:31
74	13699	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT;	US-PGPUB	2004/09/29 08:31

	Hits	Search Text	DBs	Time Stamp
75	173	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls. )) and ((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with volatile adj memory) and (non\$2volatile adj2 memory) and file\$2)	USPAT	2004/09/28 12:54
76	214	((707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.) or (235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls. )) and (((identif\$4 or indicat\$4 or determin\$4) with stor\$4 with volatile adj memory) and (non\$2volatile adj2 memory) and file\$2)	USPAT; US-PGPUB	2004/09/28 12:55
77	20850	707/1-4,7,8,10.ccls. or 707/100-102,104.1.ccls. or 707/200-206.ccls.	USPAT; US-PGPUB	2004/09/29 08:31
78	13699	235/375,380,382.ccls. or 365/175.01,185.18,185.29,185.3 3,189.01,218.ccls. or 710/1,3,8,13.ccls. or 713/1,2.ccls.	USPAT; US-PGPUB	2004/09/29 08:31